## In the Claims:

## Please amend the claims as follows:

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| _   |   |   |   |

1. (Currently Amended) An apparatus for printing pages of a print job, comprising:

a page analyzer operative to identify static page aspects and variable page aspects from page data within a print job;

a converting apparatus communicating with the page analyzer and operative to convert the static page aspects into static page layout objects and the variable page aspects into variable print data;

an identifying apparatus communicating with the converting apparatus and operative to identify the static page layout objects in the manner allowing for an optimized form to be created, and to allow for appropriate merging with the variable print data;

an optimizer apparatus communicating with the identifying apparatus and operative to convert the static page layout objects to an optimized form, wherein optimization level to create the optimized form is based on intended usage of the static page layout objects by a user;

a storage apparatus communicating with the optimizer apparatus and operative to store at least one instantiation of the static page layout objects in the optimized form; and

a merging apparatus communicating with the storing apparatus and operative to merge the static page layout objects with the variable print data to create merged print data.

- 2. (Original) The apparatus of claim 1 wherein the page analyzer resides within a printer.
- 1 3. (Original) The apparatus of claim 1 wherein the page 2 analyzer resides within a printer server.

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Amendment D

- 5. Original) The apparatus of claim 1 wherein the merging apparatus includes a static page buffer and a variable page buffer, the static page buffer capable of eceiving raster print data for the optimized form of the static page layout objects, and the variable page buffer operative to receive raster print data for the variable print data.
- 6. (Original) The apparatus of claim 5 wherein the merging apparatus is further operative to convert the optimized form of the static page layout objects stored in the storage apparatus to a raster form, and to convert the variable print data to a raster form, the merging apparatus further operative to initialize the static page buffer with the optimized form of the static page layout objects in the raster form and thereafter to merge the optimized form of the static page layout objects with the variable print data by transmitting the variable print data in the raster form to the variable page buffer.
- 7. (Original) The apparatus of claim 1 wherein the static page 2 aspects comprise static image elements.
- 1 8. (Original) The apparatus of claim 1 wherein the static page 2 layout objects comprise forms.
- 9. (Original) The apparatus of claim 8 wherein a processed form comprises at least one layer.

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Amendment D

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represented in a page description language.

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| 1  | 14. (Original) The page printing apparatus of claim 10 wherein                      |  |  |
|----|---|--|--|
| 2  | the storage apparatus is configured to store the static layer for re-use by caching |  |  |
| 3  | the static layer within the storage apparatus.                                      |  |  |
|    |   |  |  |
| 1  | 15. (Currently Amended) A method for printing pages of a print                      |  |  |
| 2  | job, comprising:  |  |  |
| 3  | analyzong pages of a print job for static page aspects and variable                 |  |  |
| 4  | page aspects;   |  |  |
| 5  | creating print data by converting at least one instantiation of the                 |  |  |
| 6  | static page aspects into static page layout objects, and converting the variable    |  |  |
| 7  | page aspects into variable print data;  |  |  |
| 8  | identifying the static page layout objects in a manner allowing for                 |  |  |
| 9  | an optimized form to be created, and to allow for appropriate merging with the      |  |  |
| 0  | variable print data;  |  |  |
| 1  | converting the static page layout objects to an optimized form,                     |  |  |
| 2  | wherein optimization level to create the optimized form is based on intended        |  |  |
| 13 | usage of the static page layout objects by a user;                                  |  |  |
| 4  | storing at least one instantiation of the static page layout objects in             |  |  |
| 15 | the optimized form;   |  |  |
| 6  | merging the static page layout objects with the variable print data                 |  |  |
| 7  | to create appropriately merged print data; and                                      |  |  |
| 8  | printing the merged print data.   |  |  |
|    |   |  |  |
| 1  | 16. (Original) The method of claim 15 wherein the step of                           |  |  |
| 2  | 2 merging comprises:  |  |  |
| 3  | converting the static page layout objects to a raster form;                         |  |  |
| 4  | converting the variable print data to a raster form;                                |  |  |
| 5  | initializing a buffer device with the raster form of the static page                |  |  |
| 6  | layout objects; and   |  |  |
| 7  | transmitting the raster form of the static page layout objects to the               |  |  |
| 8  | buffer device.  |  |  |

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| 1  | 17 (Original) The method of claim 15 further including                              |
|----|---|
| 2  | removing the static page layout objects present in non-optimized form, following    |
| 3  | converting the at least one instantiation of the static page aspects into the stati |
| 4  | page layout objects.  |
|    |   |
| 1  | 18. (Priginal) The method of claim 15 wherein the static page                       |
| 2  | layout objects form a tatic layer, and wherein the variable print data forms a      |
| 3  | variable layer.   |
| 1  | 19. (Original) The method of claim 18 wherein the step of                           |
| 2  | storing at least one instantiation of the static page layout objects comprises      |
| 3  | layer caching the static layer within memory for later re-use.                      |
|    |   |
| 1  | 20. (Original) The method of claim 15 wherein a plurality of the                    |
| 2  | static page layout objects together provide a form that includes one or more of     |
| 3  | images, graphics and text represented in a page description language.               |
|    | \.  |
| 1_ | 21. (New) An apparatus for printing pages of a print job,                           |
| 2  | comprising:   |
| 3  | a page analyzer operative to identify static page aspects and                       |
| 4  | variable page aspects from page data within a print job;                            |
| 5  | a converting apparatus communicating with the page analyzer and                     |
| 6  | operative to convert the static page aspects into static page layout objects and    |
| 7  | the variable page aspects into variable print data;                                 |
| 8  | an identifying apparatus communicating with the converting                          |
| 9  | apparatus and operative to identify the static page layout objects in the manner    |
| 10 | allowing for an optimized form to be created and to allow for appropriate           |
| 11 | merging with the variable print data;   |
| 12 | an optimizer apparatus communicating with the identifying                           |
| 13 | apparatus and operative to convert the static page layout objects to an             |
| 14 | optimized form, wherein optimization level to create the optimized form is based    |
| 15 | on intended use of the static page layout objects by a user, and wherein            |

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printer.

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1 28. New) The apparatus of claim 26 wherein upon deletion of 2 the optimized form, a correspondingly created cached layer is also deleted.

29. (New) The apparatus of claim 26 wherein upon renaming of the optimized form, links to individual ones of the layers related to the optimized form are updated.

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